



Appendix A: Public Involvement Key Findings

APPENDIX A: PUBLIC INVOLVEMENT FINDINGS

This appendix provides an overview of public outreach opportunities used in development of the Island County Parks and Habitat Conservation Plan. It also provides a summary of key findings from these activities. These findings were integral to the development of the vision, mission, and planning niche for the Island County Parks Department. A full summary of activities, including complete Community Questionnaire results, Intercept Event data tables, Stakeholder

Interview notes, and Focus Group notes is available from the County under a separate cover.



A.1 OVERVIEW OF OUTREACH EFFORTS TO DATE

Public involvement opportunities to date have included a community questionnaire, focus groups, community intercept events and stakeholder interviews. Later phases of the project will include opportunities to check back in with the public.

Community Questionnaire

The community questionnaire allowed participants to respond to a range of questions related to parks and natural areas in Island County, on their own time and at their own pace. The questionnaire was available online on the Island County website (www.islandcounty.net) from May 17th to June 14th, 2010. In total, there were 666 participants, with 621 full responses and 45 partially completed responses. Appendix A includes a summary of results including responses to the open ended questions.

Focus Groups

Two focus group meetings provided a more in-depth discussion of specific topics, to provide the planning team with a better understanding of key characteristics and needs of the County. The meetings also provided participants with an in-depth discussion on opportunities, priorities and perceived needs for County parks and habitat conservation areas. Meetings were held on both Whidbey and Camano Islands to understand the different needs in each area. In total, 20 participants attended the focus group meetings. Fourteen participants met at the first focus group meeting held in Coupeville on Thursday, May 20, from 6:00-7:30 pm. Six community members participated in the second meeting on Friday, May 21, from 2:00-3:30 pm at Four Springs Lake Preserve on Camano Island.

Community Intercepts

Community intercept events allowed the planning team to take the planning process to the public during scheduled events in the community. There were three intercept events held in different parts of the County. Interactive display boards were used to get feedback, and members of the planning team were on hand to discuss and answer questions about the Parks and Habitat Conservation Plan. A total of 245 participants took part in the intercept events. On May 21, the planning team held the first event at Camano Plaza (370 NE Camano Drive, in front of the market) from 4:30-6:30 pm. The second event occurred on May 22, at the Bayview Farmers Market (at SR 525 & Bayview Road in South Whidbey). The third event occurred on May 22, at the Coupeville Farmers Market (in the green space behind the library in Coupeville). Appendix B provides a complete summary of the intercept events.

Stakeholder Interviews

The planning team conducted ten interviews with representatives from several different agencies and jurisdictions involved with providing parks, natural areas and recreation opportunities in Island County. These interviews provided the perspective of key stakeholder groups, who were identified by County staff and Commissioners. The groups were intended to represent key players at the local, regional, state and national levels of planning, as well as specific interest groups.

A.2 KEY FINDINGS

The public involvement activities identified valuable information for the plan, including several key findings that were common through the different outreach efforts. A summary of these findings is provided below, presented in four categories: parks and facilities, habitat areas, maintenance and operations, and funding.

Parks and Facilities

- According to questionnaire respondents, the two most important benefits of parks, recreation and open space are providing opportunities to enjoy nature/the outdoors (79% of responses) and protecting the natural environment (66%). These were the top two benefits noted by intercept participants as well.
- According to questionnaire respondents, the most frequently used types of facilities (more than once a month) are beaches (59%) and trails (56%). Nearly 88% of respondents have visited beaches (88%) and trails (87%) at least a few times a year.
- In comparison, 55% of questionnaire respondents use picnic shelters at least a few times a year. Fewer people have used dog parks (38%), boat launches (35%), and sport fields (21%) this frequently. Yet many of the

open-ended questionnaire responses cited a need for dog walking areas and dog parks.

- Almost half (52%) of questionnaire respondents use sports fields. Only half of these respondents (54%), however, report using County-owned sport fields.
- State and federal parks are popular among questionnaire respondents. Approximately 76% of respondents visit a state park on Whidbey or Camano Island at least once or twice per year, and 64% have visited Ebey's Landing National Historic Reserve that frequently.



- Nearly 65% of questionnaire respondents indicated that more trails are needed in the County. According to nearly one-third of respondents, unpaved trails for non-motorized use are needed most to support hiking, mountain biking and equestrian use. The top two reasons to develop more trails include for recreation (28.4%) and nature experiences (27.8%). Focus group participants also noted the need for trails, for connectivity and improved park and water access. Many additional comments submitted with the questionnaire noted that more equestrian trails specifically are desired.

- In the questionnaire and all intercept events, land suitable for developed County parks and land suitable for sport fields were the two lowest priorities for land acquisition. Habitat areas needs were also prioritized over recreation facilities by focus group participants.
- Based on feedback from focus group participants, there is a lack of family parks and places for children to play on Camano Island. Intercept event results indicated that 24% of Camano respondents believe sport fields or courts are the most needed facility in the County. The results indicate that Camano Island needs are different from Whidbey Island's needs.
- Improved signage in parks and natural areas is an important need according to responses from both focus groups. This includes park identification signage (to improve County image), informational/directional signage, and especially interpretive signage.

Habitat Areas

- Most questionnaire respondents (91%) felt that conserving habitat and natural areas is important or very important. All three intercept events and the stakeholder interview showed a similar high level of interest in conserving habitat and natural areas.

- Over 71% of questionnaire respondents indicated that more park land or habitat areas should be acquired by Island County. Inland conservation lands (33%) shoreline conservation areas (20%), and public access to water for recreation (11%) are the community's highest priorities for acquisition. Intercept event participants noted similar top responses, but in different ranked order.
- From a list of ten different types of recreation opportunities, most questionnaire respondents (54%) felt that nature preserves or conservation areas are the most needed in the County. Public access to water (29%) and agricultural/farmland preservation (23%) also ranked highly. The intercept events had similar top results, although in different ranked order.
- While most questionnaire respondents (83%) are aware of the Whidbey Camano Land Trust, only 39% have visited one of the Trust's land preserves. (Note: Many of the Land Trust's holdings do not allow public access.)
- Proximity of parks and facilities play a big role in determining what habitat areas people visit. At Whidbey Island's two intercept events, respondents indicated that Greenbank Farm (79%), Saratoga Woods (41%) and Deer Lagoon (34%) are the Island's most popular natural areas, based on the percentage of people who have visited those sites. According to responses at the Camano event, Elger Bay (61%), Camano Ridge (37%) and Iverson Preserve (35%) are visited the most frequently.
- According to stakeholder interviews, population growth, impacts of overuse and coordination of conservation efforts are some of the key issues facing habitat areas. Many of the open-ended questionnaire responses supported a need for stronger development regulations.



Maintenance and Operations

- According to respondents in the focus groups and stakeholder interviews, parks maintenance needs improvement (and better funding).
- Stakeholder and focus group respondents suggested a variety of ideas about the role Island County should play in providing parks and habitat areas. Some indicated that the County should play a lead role in initiating projects, forging partnerships and leveraging resources, while relying on other providers to maintain sites and facilities. Another primary role of the County should be pursuing and managing land acquisition, and applying greater financial analysis into decision making, especially when considering purchase of property. There was some agreement that the County should focus more heavily on passive recreation opportunities.

- According to several stakeholder and focus group respondents, there is a need for a vision that unifies park and habitat conservation-related efforts. As part of this vision, the County could build a network of partnerships to enable communication, while raising public awareness through education and marketing.
- Another key finding in stakeholder interviews and focus group meetings was that the County should leave the responsibility of recreation programming to other providers, such as cities, park districts, and schools. Many participants indicated that sport facilities should be the responsibility of recreation districts.
- Focus group and stakeholder input suggested that the presence of a parks department is lacking on Camano Island. There is a perceived issue that there is a lack of oversight and management, with no clear understanding of responsibilities or source of information.
- The strong volunteering efforts on both islands (noted in both focus group meetings) suggest that there is opportunity to help improve and maintain facilities through recruitment of volunteers. However, several participants cautioned that volunteer labor can be problematic without proper training, equipment and supervision. Increased County oversight is needed.
- According to questionnaire respondents, a variety of media forums would be helpful to publicize park and habitat opportunities. The top media forums (in ranked order) include: printed maps and brochures, County website, local newspaper, park kiosks, and WCLT website.

Funding

- As noted in stakeholder interviews and focus group meetings, a lack of a funding is the greatest challenge for the Parks Department. This affects the acquisition, development, maintenance, and operation of parks and habitat conservation areas across the County. Input from the stakeholder interviews indicated that much of the funding for parks comes from the County's general fund when it should be coming from a separate and dedicated funding source.
- When asked whether they would be willing to pay a fee for park and facility use, 37% of questionnaire respondents said yes, and an additional 39% said maybe. Only 15.8% of respondents said they would not be willing to pay a fee to ensure that a facility would be open, in good condition, and available when they wanted to use it.
- Recognizing that the County struggles financially to maintain the parks, habitat areas and resource lands it has, questionnaire respondents were willing to support the following for land maintenance and management:

- Volunteer efforts (74%)
- Non-profits (62%)
- County tax dollars (49%)
- User fees (40%)
- A new park district with its own tax base (35%)
- The planning team has observed that two of the five preferred methods for maintaining and managing parks (noted above) are not associated with a funding mechanism.
- The importance of keeping park opportunities at a low cost for families was noted in stakeholder interviews.
- Forty percent of questionnaire respondents would be willing to support user fees as a funding mechanism. However, this is not as favorable as using County tax dollars.
- Thirty-five percent of questionnaire respondents are willing to pay for a parks district, while 22% indicated maybe.



Recreation Participation

Based on questionnaire responses, Table 1 notes the frequency in which respondents have participated in various recreation activities. It also indicates the types of activities respondents would most like to do if they had unlimited time and resources.

The last column of the table also notes latent demand—the difference between what residents want to do and what they are currently doing.

- As noted in the table, the five most popular recreation activities noted by respondents include (in ranked order):
 1. Walking for exercise or pleasure
 2. Wildlife watching
 3. Bird watching/feeding
 4. Nature walks
 5. Dog walking/dog parks
- Ten of the top 11 recreation activities are (or can be) trail related.

Table A-1: Recreation Participation Ranked by Frequency (Questionnaire)

Rank	Results	Annual Average	Monthly Average	Preferred Rank	Latent Demand
1	Walking for Exercise or Pleasure	68.84	5.25	3	-2
2	Wildlife Watching	48.23	3.67	5	-3
3	Bird Watching/Feeding	46.33	3.54	7	-4
4	Nature Walks	38.17	2.86	2	2
5	Dog Walking/Dog Parks	37.14	2.83	4	1
6	Beach walks	36.52	2.71	1	5
7	Volunteer Activities	21.14	1.58	14	-7
8	Hiking/Backpacking	17.82	1.32	6	2
9	Bicycling	14.07	1.05	9	0
10	Jogging/Running	12.89	0.98	18	-8
11	Horseback Riding	12.39	0.95	10	1
12	Fishing	6.90	0.51	13	-1
13	Playground (visit/play)	6.67	0.49	20	-7
14	Picnicking	6.53	0.46	15	-1
15	Clamming/Crabbing	5.84	0.43	12	3
16	Swimming (beach)	5.53	0.41	18	-2
17	Boating (power)	5.34	0.39	16	1
18	Canoe/Kayaking	4.68	0.34	8	10
19	Mountain Biking	3.15	0.23	21	-2
20	Camping	2.50	0.19	11	9
21	Boating (sailing)	2.13	0.16	17	4
22	Orienteering/Geocaching	1.91	0.14	22	0
23	Hunting	1.65	0.13	23	0
24	Dirt Bike/ATV/ORV Riding	1.65	0.12	24	0
25	Windsurfing/Sailboarding	0.25	0.02	25	0

- If questionnaire respondents had unlimited time and resources, the top activities they would like to engage in include (in ranked order):
 1. Beach walks
 2. Nature walks
 3. Walking for exercise or pleasure
 4. Dog walking/dog parks
 5. Wildlife watching
- Latent demand is the disparity between actual participation and desired or preferred participation. A high latent demand often indicates what types of parks and facilities are needed to support desired activities. The activities with the highest latent demand include: canoeing/kayaking, camping, and beach walks. There is also a latent demand for boating

- Volunteer activities are ranked as the seventh most popular activity in terms of recreation participation. However, if people were engaged in their top preferred activities, volunteerism drops significantly. (Only jogging/running has a lower latent demand.)

The final question of the online questionnaire was open-ended to collect valuable feedback on other interests, concerns and priorities related to parks and habitat conservation. Nearly 20 pages of comments were submitted (as presented in Appendix A). Figure 1 illustrates key themes from the open-ended comments in a “word cloud.” The word cloud highlights frequently-used words by making them larger. The figure provides a more graphic interpretation of issues that are important to Island County residents.

[illegible]

- As indicated by the word cloud, trails were the subject of the most comments.
- As the image shows, many responses noted concerns over land, use, public, access, and habitat, with more comments relating to Whidbey Island than Camano Island.

A.3 CONCLUSIONS

In looking at the results of the public involvement opportunities to date, a number of conclusions can be drawn that will help direct the Parks and Habitat Conservation Plan. It appears that public priorities are placed on the conservation of natural areas—both for habitat and for public access. Input indicates that uplands, shorelines, and agricultural areas are important to preserve, and that shoreline access and facilities that support walking and wildlife viewing are also popular. Many residents appear to be willing to consider alternative park funding measures to support parks and recreation, but strong public support is shown for the use of volunteers, non-profits, partners, and friends groups to help develop and maintain parks and habitat areas. According to feedback, the County should consider their primary role as providing strong leadership, collaborating with key partners, leveraging funding and resources, and coordinating and guiding assistive efforts to support recreation opportunities and natural areas.



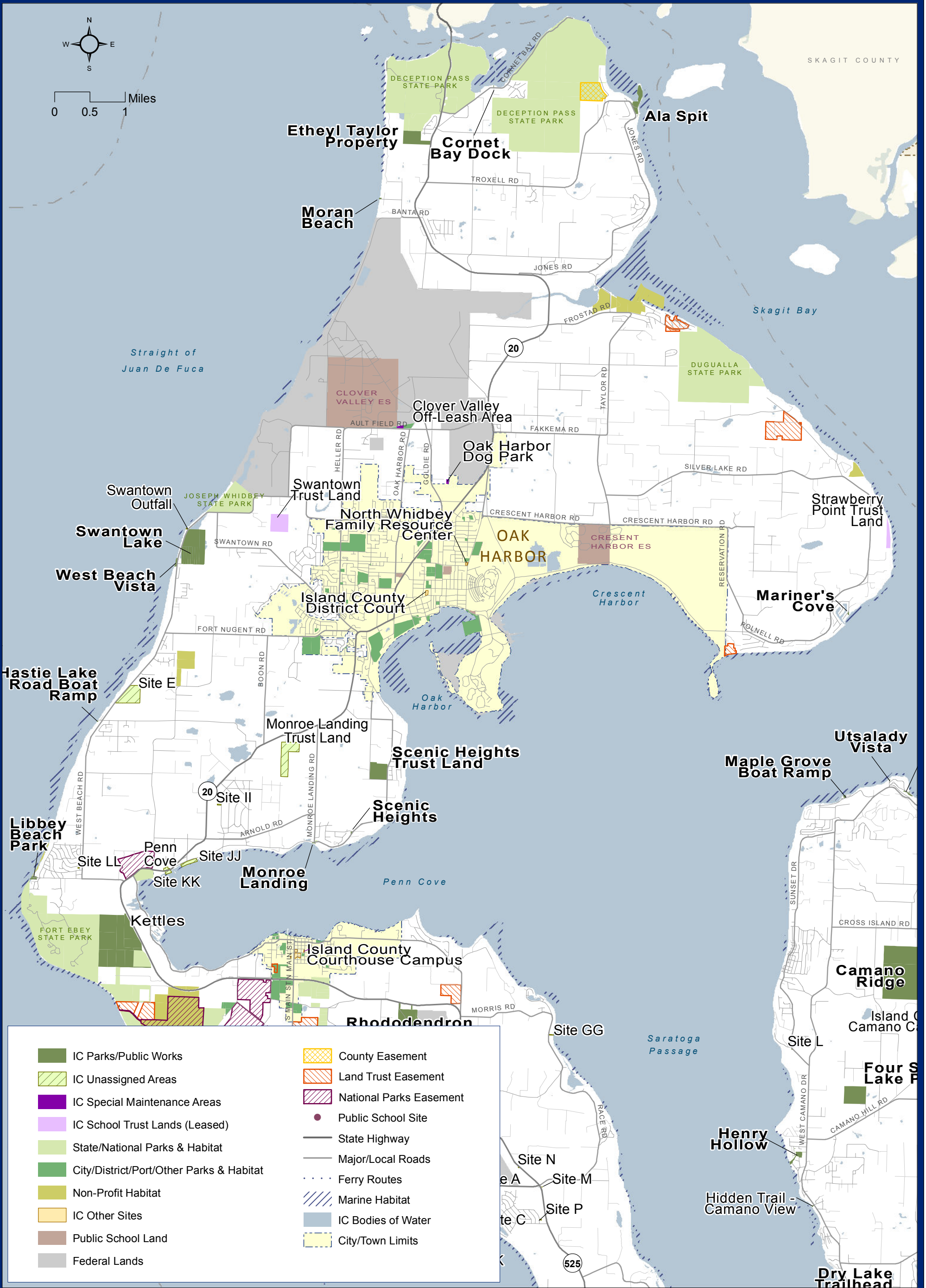
Appendix B: Inventory by Department/Jurisdiction

Table B-1: Inventory of County-Owned Parks by Department

Park Name	Site Info		Outdoor Recreation Facilities																Trails		Site Amenities					Other Buildings/Structures					Comments		
	# of Parcels	# of Acres	Amphitheater	Beach (Swimming or Waterfront Access)	Boat Launch (Hand Carry)	Boat Ramp	Boat Docks / Marina	Camping (RV)	Camping (Tent)	Dog Park	Fishing Platform/Pier	Garden	Picnic Area/Tables	Picnic Shelter	Playground	Sport Court (Basketball, Volleyball, Tennis)	Sport Fields: Open Turf Play Area	Sport Fields: Baseball/Softball	Sport Field: Soccer, Football, Lacrosse	Pathways (paved)	Trails (unpaved)	Amenities*	Kiosk	Restroom (Permanent)	Restrooms (Portable)	Signage	Parking Area	Caretaker's Residence	Community Hall / Recreation Center	Nature Center / Interpretive Center	Maintenance/Storage	Other	
PARK NAME																																	Comments/Other Amenities
Kettles - ER&R	4	101.4																			Y												
Limpet Lane Road End	1	0.1																															
Sandpiper Lane Beach Access	2	0.2																															
Sunlight Beach Accesses	4	0.4																															
Subtotal	64	934.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
UNASSIGNED																																	
Brainers Trust Land	1	38.9																														Purchased from WSDNR	
Brighton Beach Access	2	0.4																															
Bush Point	2	3.9																															
Glendale Trust Land	1	40.6																														Purchased from WSDNR	
Hidden Beach	1	0.6																															
Hillside Park	1	0.6																															
Keystone	1	10.9																															
Monroe Landing Trust Land	1	45.2																														Purchased from WSDNR	
Penn Cove	1	1.6																															
Shore Meadow Beach Access	1	0.1																															
Swantown Outfall	1	0.2																															
Tidelands	1	0.0																															
Site A	1	10.7																														Natural "scrub". Some Scotch broom. No formal parking; wide gravel shoulder. Tax Title Property	
Site B	1	39.8																														Tax Title Property	
Site C	1	16.0																														Tax Title Property	
Site D	1	25.4																														Tax Title Property	
Site E	1	38.5																														Tax Title Property	
Site K	1	0.1																														Tax Title Property	
Site L	1	0.0																														Tax Title Property	
Site M	1	0.0																														Tax Title Property	
Site N	1	0.2																														Tax Title Property	
Site O	1	0.0																														Tax Title Property	
Site P	1	0.2																														Tax Title Property	
Site Q	1	0.2																														Tax Title Property	
Site R	1	0.2																														Tax Title Property	
Site S	1	0.0																														Site T1 - 0.11ac, Site T2 - 0.80ac. Tax Title Property	
Site T	2	0.9																														Tax Title Property	
Site U	1	0.4																														Site V1 - 0.20ac, Site V2 - 0.19ac, Site V3 - 0.18ac. Tax Title Property	
Site V	3	0.6																														Tax Title Property	
Site Z	1	0.3																															
Site AA	1	1.2																														Tax Title Property	
Site BB	1	0.1																															
Site DD	1	0.2																															
Site EE	1	0.2																															
Site FF	1	0.7																															
Site GG	1	0.4																															
Site HH	1	0.8																															
Site II	1	0.5																															
Site JJ	1	6.6																															
Site KK	1	2.1																															
Site LL	1	0.2																															
Site NN	1	0.4																															
Site OO	1	2.6																															
Site PP	1	0.5																															
Subtotal	49	293.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPECIAL MAINTENANCE AREAS																																	
Clover Valley Off-Leash (NW Parks & Rec District)	1	2.1								1																						County maintains dog park. Ballfields operated and maintained by District.	
Freeland Park (Port of South Whidbey)	8	3.1		1	1	1	1						1	2	1		1						2	1		Y	Y					IC operates park. Port operates dock and boat ramp	

Table B-1: Inventory of County-Owned Parks by Department

Park Name	Site Info		Outdoor Recreation Facilities																	Trails		Site Amenities					Other Buildings/Structures					Comments	
	# of Parcels	# of Acres	Amphitheater	Beach (Swimming or Waterfront Access)	Boat Launch (Hand Carry)	Boat Ramp	Boat Docks / Marina	Camping (RV)	Camping (Tent)	Dog Park	Fishing Platform/Pier	Garden	Picnic Area/Tables	Picnic Shelter	Playground	Sport Court (Basketball, Volleyball, Tennis)	Sport Fields: Open Turf Play Area	Sport Fields: Baseball/Softball	Sport Fields: Soccer, Football, Lacrosse	Pathways (paved)	Trails (unpaved)	Amenities*	Kiosk	Restroom (Permanent)	Restrooms (Portable)	Signage	Parking Area	Caretaker's Residence	Community Hall / Recreation Center	Nature Center / Interpretive Center	Maintenance/Storage	Other	
PARK NAME																																	Comments/Other Amenities
Oak Harbor Dog Park (Oak Harbor)	1	1.2								1													1		1		Y						Island County Parks maintains grounds and pays half of porta-potty cost
Subtotal	10	6.3	0	1	1	1	1	0	0	2	0	0	1	2	1	0	1	0	0	0	0	0	3	1	1	1	2	0	0	0	0	0	
SCHOOL TRUST LANDS (LEASED)																																	
Elger Bay Trust Land	1	173.5		1									1	1							Y		1										Leased from WSDNR
High Point Trust Land	1	39.2																															Leased from WSDNR
Skyline West Trust Land	1	37.4																															Leased from WSDNR
Smuggler's Cove Trust Land	1	11.2																															Leased from WSDNR
Strawberry Point Trust Land	1	11.6																															Leased from WSDNR
Swantown Trust Land	1	40.1																															Leased from WSDNR
Wahl Road Trust Land	1	18.4																															Leased from WSDNR
Subtotal	7	331.5	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	
PARKS AND HABITAT TOTAL	243	3372.0	0	25	6	9	2	1	1	5	0	2	19	12	5	3	5	3	0	0	15	0	19	12	15	2	34	1	1	0	0	1	
OTHER SITES (NON PARKS)																																	
Island County Camano Campus	1	23.6																						1		Y							
Island County Courthouse Campus	4	4.9											1				1							1		Y							Small pocket park on campus
Island County District Court	1	1.5																															
Island County Fairgrounds	2	14.0																															
North Whidbey Family Resource Center	2	0.9																						1		Y							
Subtotal	10	44.8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	
TOTAL	253	3416.9	0	25	6	9	2	1	1	5	0	2	20	12	5	3	6	3	0	0	15	0	19	15	15	2	37	1	1	0	0	1	

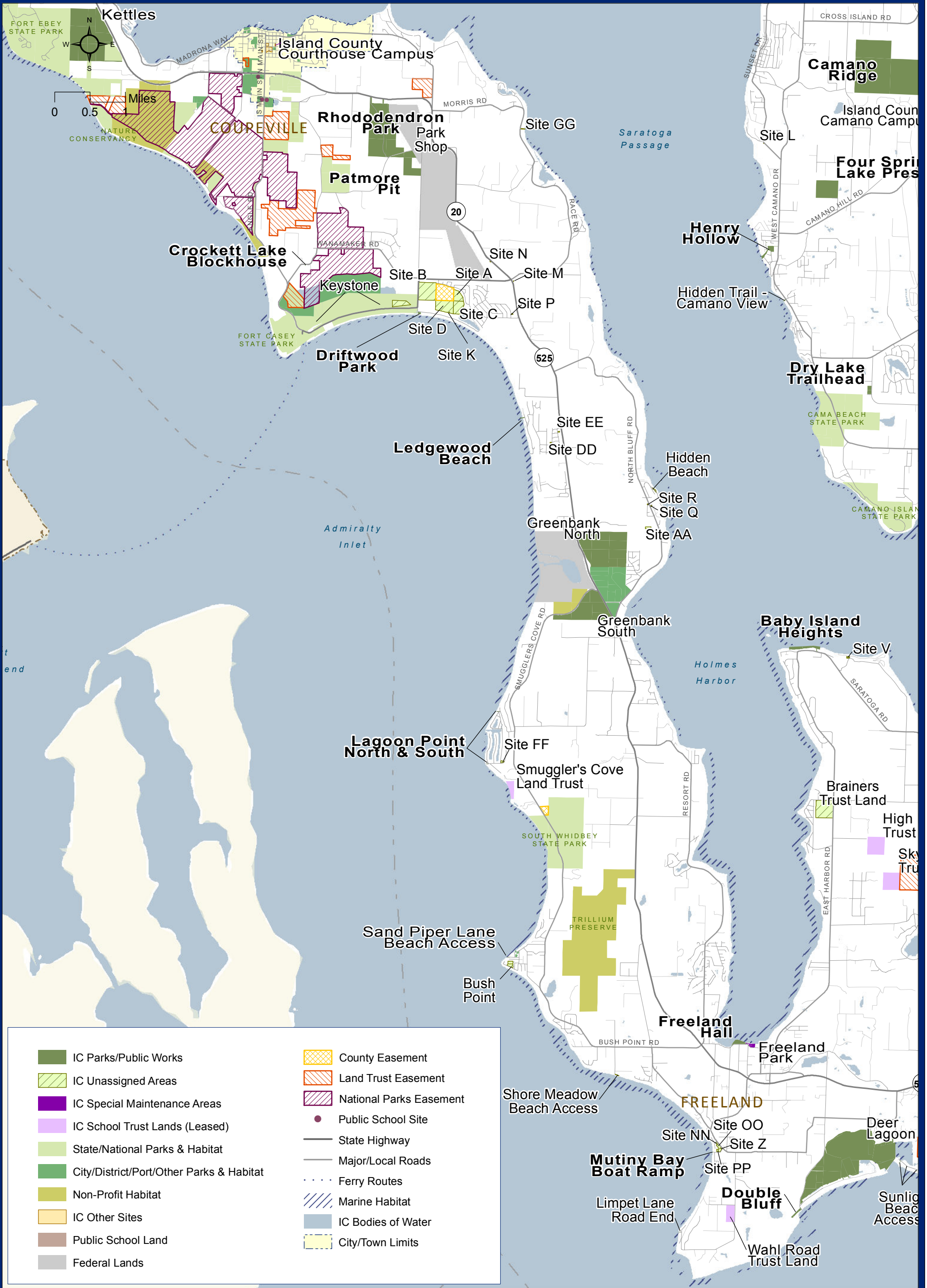


Island County Parks & Recreation Element



10/14/2011 | Data Source: Island County Planning & Community Development, Whidbey Camano Land Trust, USGS & DNR

Map B-1: North Whidbey Parks/Habitat by Jurisdiction

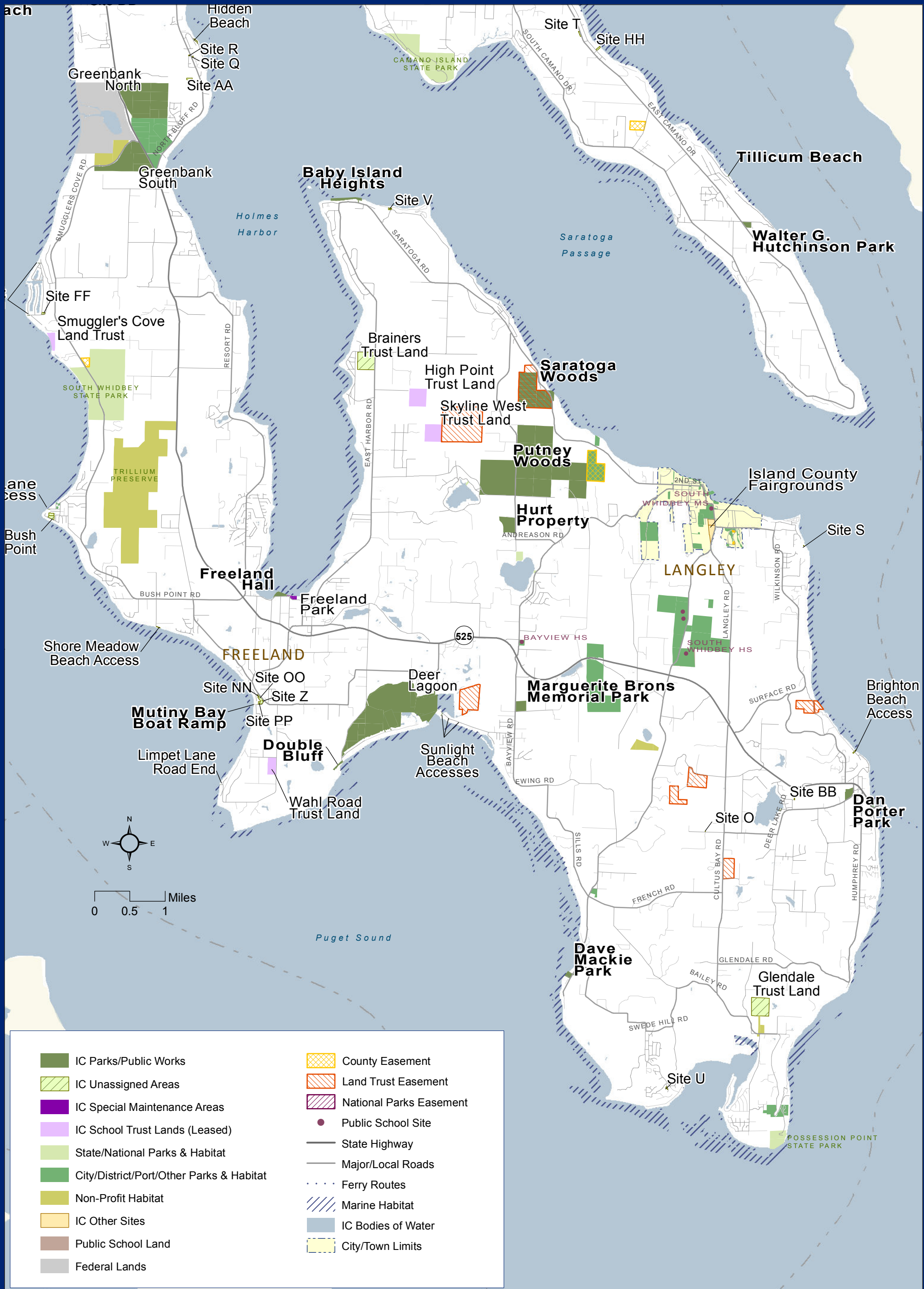


Island County Parks & Recreation Element



10/14/2011 | Data Source: Island County Planning & Community Development, Whidbey Camano Land Trust, USGS & DNR

Map B-2: Central Whidbey Parks/Habitat by Jurisdiction

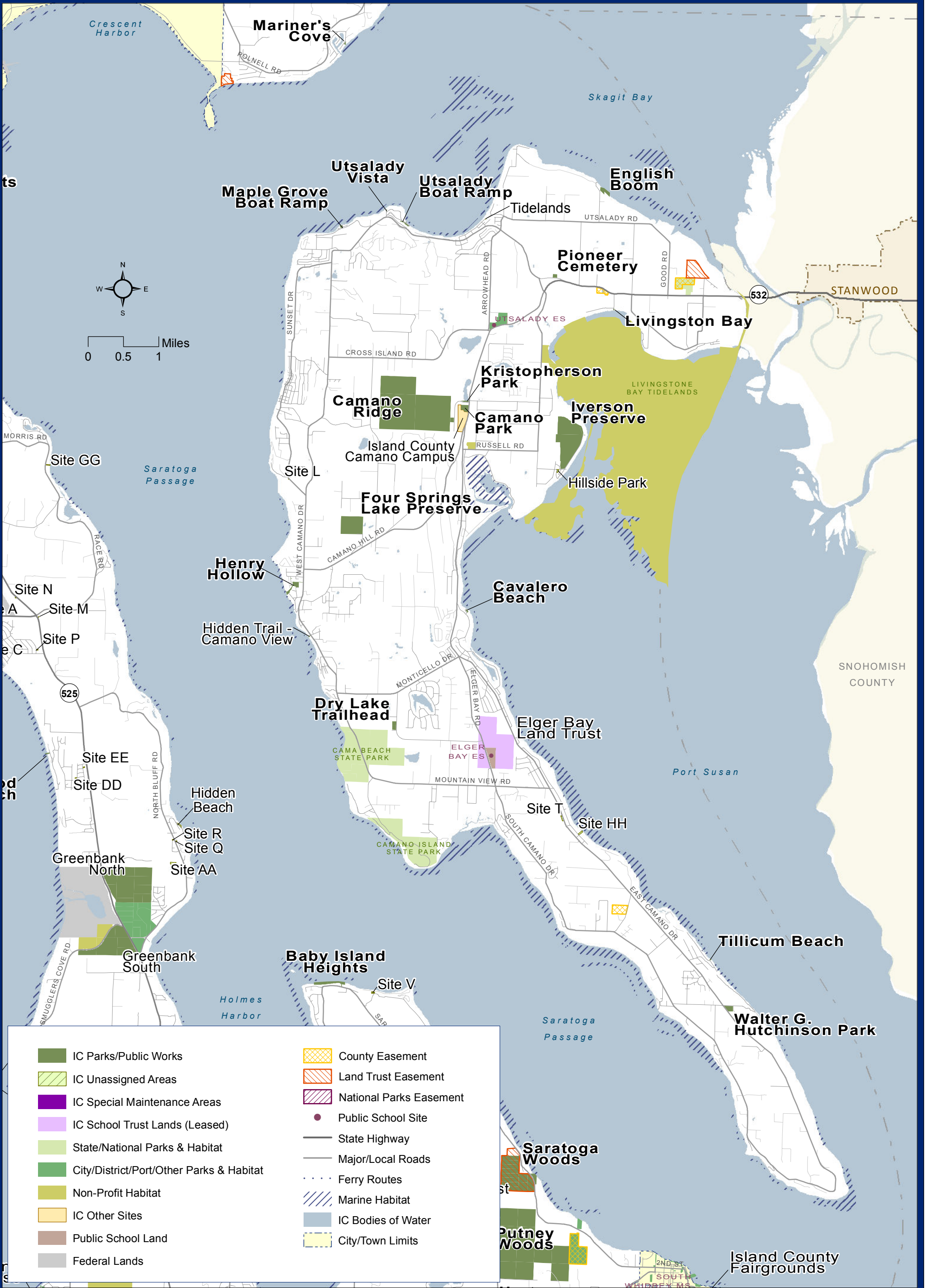


Island County Parks & Recreation Element



10/14/2011 | Data Source: Island County Planning & Community Development, Whidbey Camano Land Trust, USGS & DNR

Map B-3: South Whidbey Parks/Habitat by Jurisdiction

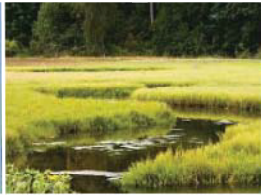


Island County Parks & Recreation Element



10/14/2011 | Data Source: Island County Planning & Community Development, Whidbey Camano Land Trust, USGS & DNR

Map B-4: Camano Island Parks/Habitat by Jurisdiction

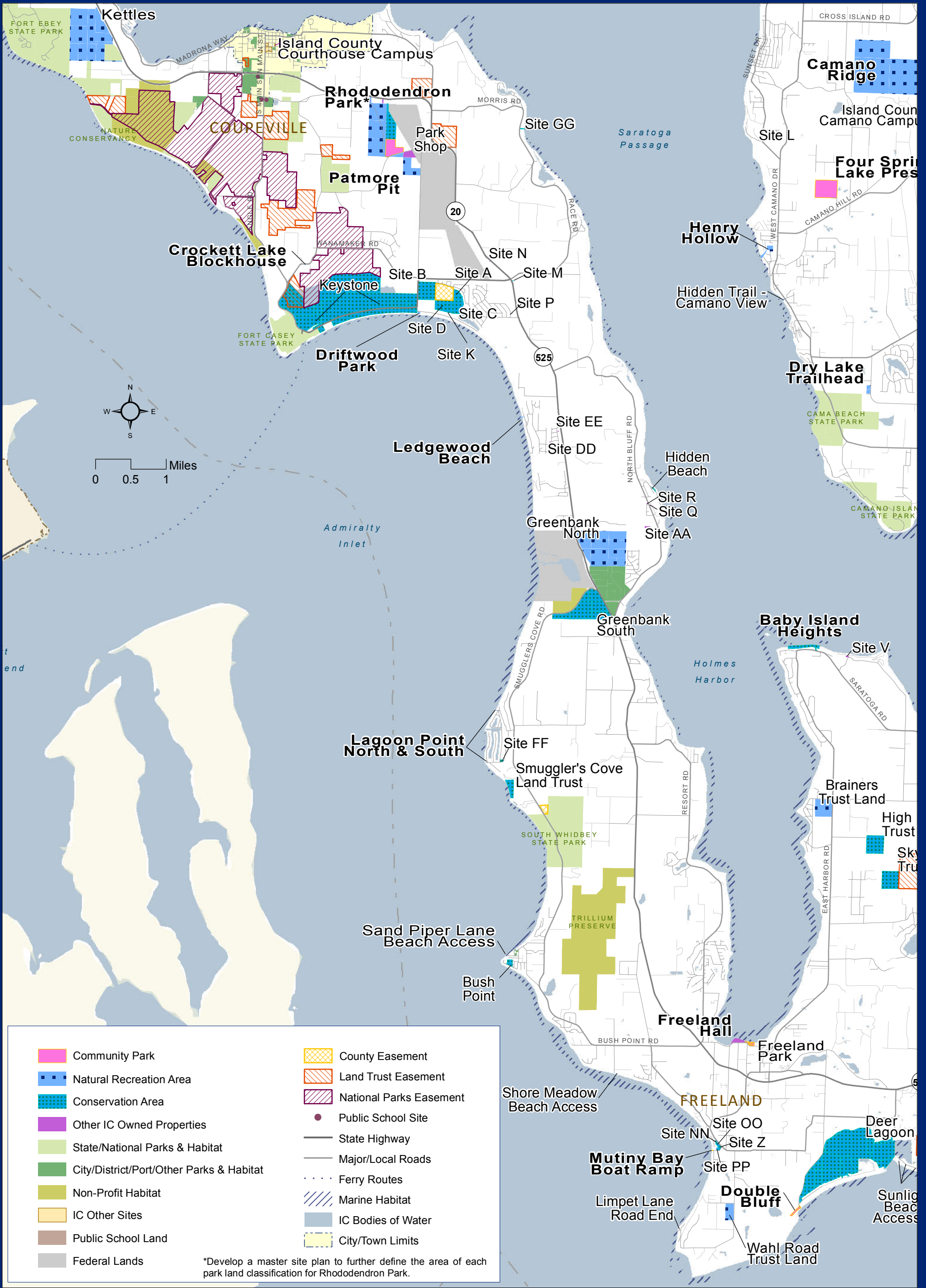


Appendix C: Island County Inventory by Classification

Table C-1: Classified Inventory of properties owned and/or operated by Island County (does not include Roads or ER&R Properties)																																												
Property Name		Outdoor Recreation Facilities															Trails					Other Buildings/Structures										Habitat Areas					Comments							
Property Name	Island Location	# of Acres	Amphitheater	Beach (Swimming or Waterfront Access)	Boat Launch (Hand Carry)	Boat Ramp	Boat Docks / Marina	Camping (RV)	Camping (Tent)	Dog Park	Fishing Platform/Pier	Garden	Picnic Area/Tables	Picnic Shelter	Playground	Sport Court (Basketball, Volleyball, Tennis)	Sport Fields: Open Turf Play Area	Sport Fields: Baseball/Softball	Sport Field: Soccer, Football, Lacrosse	Pathways (paved)	Trails (unpaved)	Kiosk	Restroom (Permanent)	Restrooms (Portable)	Signage	Parking Area	Caretaker's Residence	Community Hall / Recreation Center	Nature Center / Interpretive Center	Maintenance/Storage	Other	Water	Developed Parkland	Farmland	Shoreline/Tidal Habitat	Forest	Freshwater Habitat	Grassland	Comments/Other Amenities					
RECREATION AREAS																																												
Community Parks																																												
Camano Park	C	5.9											1		1	2	1	1								Y							6.2							Multi-purpose center				
Cavalero Beach	C	0.6		1		1							1													Y							0.3			0.3				Seasonal porta-potty				
Cornet Bay Dock	NW	0.2		1			1																		1		Y							0.4							Limited parking			
Dan Porter Park	SW	9.4											1	1	1	1		1				Y		2			Y						4.2			5.4								
Dave Mackie Park	SW	4.9		1	1	1							1	4	1			1					2			Y							3.6			0.2								
Double Bluff	SW	2.7		1						1			1										1	2			Y						0.7							Has unfenced off-leash area				
English Boom	C	5.2		1	1								1	1							Y	1				Y										3.8				ADA accessible boardwalk				
Four Springs Lake Preserve	C	50.1									1	1					1				Y	3		1		Y	1				1	0.6	10.6			38.6				Meeting rental space, available for special events (i.e., weddings, family reunions, etc)				
Freeland Park (IC & Port of South Whidbey)	SW	3.1		1	1	1	1						1	2	1		1					2	1			Y	Y						2.5		0.4					IC operates park. Port operates dock and boat ramp				
Hastie Lake Road Boat Ramp	NW	0.1		1		1																																						
Libbey Beach Park	CW	2.7		1									1				1						1			Y							2.2											
Maple Grove Boat Ramp	C	0.8		1		1																																						
Mariner's Cove	NW	0.5		1		1																				Y							0.2											
Monroe Landing	NW	0.4		1		1																				Y							0.2		0.5						Road end with boat ramp. Established by 25-year use agreement with DFW			
Mutiny Bay Boat Ramp	SW	0.1		1	1	1																																						
Rhododendron Park (Ballfields and Playground)	CW	32.0											1	1	1		1	3				2	2			1	Y					9.8			22.2									
Tillicum Beach	C	0.2		1									1													Y							0.0		0.2						Very limited parking			
Utsalady Boat Ramp	C	1.5		1		1							1											1			Y						0.1		0.1	1.1					Very limited parking			
Utsalady Vista	C	0.2									1	1										1				Y							0.2			0.2					Very limited parking			
Walter G Hutchinson Park	C	5.0											1								Y					Y							0.2			4.7								
West Beach Vista	NW	2.0		1									1										1																					
Subtotal		127.7	0	15	4	9	2	0	0	1	0	2	15	9	5	3	5	6	0	0	6	10	11	4	1	17	1	0	0	0	1	0.6	41.3	0.0	1.2	76.5	0.0	0.0						
Natural Recreation Lands																																												
Ala Spit	NW	16.7		1	1																Y	1			1		Y						0.4				3.6				Seasonal porta-potty			
Brainers Trust Land	SW	38.9																																		38.9								
Brighton Beach Access	SW	0.4		1																																0.1	0.1							
Camano Ridge	C	404.8																																			405.2					Parking along road		
Clover Valley Off-Leash (NW Parks & Rec Dist)	NW	2.1								1																																		
Crockett Blockhouse	CW	0.1																																									Historical Structure	
Driftwood Beach Access	CW	0.7		1																																								
Dry Lake Trailhead	C	4.3																																			4.7						Undeveloped	
Elger Bay Trust Land	C	173.5																			Y	1														157.9		16.0				Leased from WSDNR		
Glendale Trust Land	SW	40.6																																			40.5						No parking - neighborhood loop trail	
Greenbank North	SW	198.8																																			199.0							
Henry Hollow	C	7.3		1																													5.0			1.7						Developed for past uses		
Hidden Trail - Camano View	C	0.3		1																	Y															0.1	0.3					Trail and stairs to beach		
Iverson Preserve	C	115.1		1																	Y	1			1		Y						0.8		81.8	29.8	3.1					Seasonal porta-potty		
Kettles	CW	140.8																																			140.0							
Kettles - ER&R	CW	101.4																			Y															100.8								
Kristoferson Property	C	0.9																																			0.2	0.7						
Lagoon Point North	CW	0.3		1																																								
Lagoon Point South	CW	0.3		1																																								
Ledgewood Beach	CW	0.6		1																																							Very limited parking	
Limpet Lane Road End	SW	0.1		1																																								
Livingston Bay	C	0.2		1																																								
Marguerite Brons Memorial Dog Park	SW	13.7																																										

Other = Island County owned and/or operated properties which are not a Park or a Natural Land

Table C-1: Classified Inventory of properties owned and/or operated by Island County (does not include Roads or ER&R Properties)																																							
Property Name			Outdoor Recreation Facilities													Trails			Other Buildings/Structures							Habitat Areas				Comments									
Property Name	Island Location	# of Acres	Amphitheater	Beach (Swimming or Waterfront Access)	Boat Launch (Hand Carry)	Boat Ramp	Boat Docks / Marina	Camping (RV)	Camping (Tent)	Dog Park	Fishing Platform/Pier	Garden	Picnic Area/Tables	Picnic Shelter	Playground	Sport Court (Basketball, Volleyball, Tennis)	Sport Fields: Open Turf Play Area	Sport Fields: Baseball/Softball	Sport Field: Soccer, Football, Lacrosse	Pathways (paved)	Trails (unpaved)	Kiosk	Restroom (Permanent)	Restrooms (Portable)	Signage	Parking Area	Caretaker's Residence	Community Hall / Recreation Center	Nature Center / Interpretive Center	Maintenance/Storage	Other	Water	Developed Parkland	Farmland	Shoreline/Tidal Habitat	Forest	Freshwater Habitat	Grassland	Comments/Other Amenities
Community Park = as defined in Comp Plan (owned and operated by IC)																																							
Natural Land - properties with recreational opportunities or open space, other than parks, that offer compatible public access																																							
NL - Conservation - Natural Land set aside for conservation purpose with minimal or no public access																																							

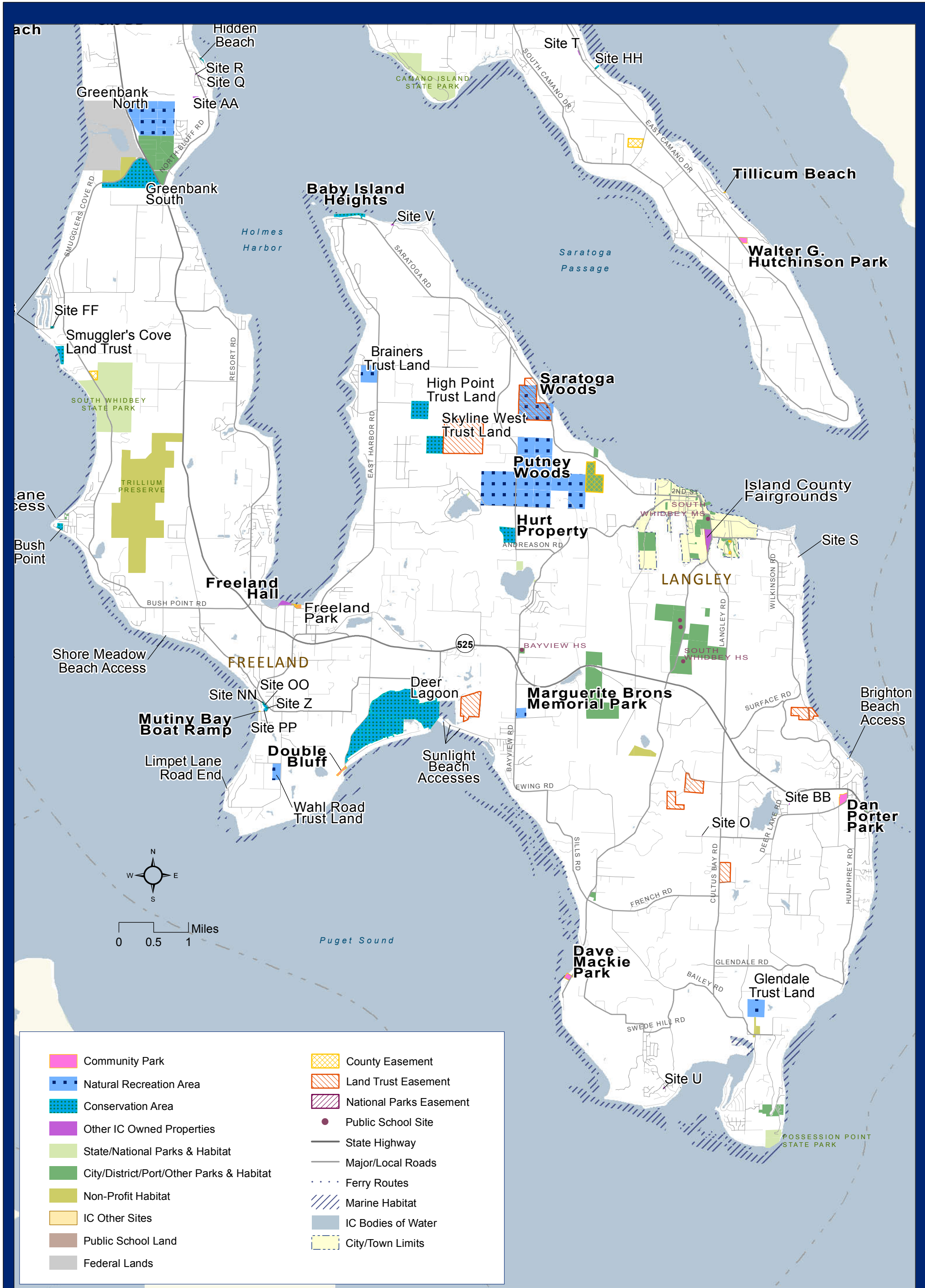


Island County Parks & Recreation Element



12/7/2011 | Data Source: Island County Planning & Community Development, Whidbey Camano Land Trust, USGS & DNR

Map C-2: Central Whidbey Classified IC Parks & Habitat Areas

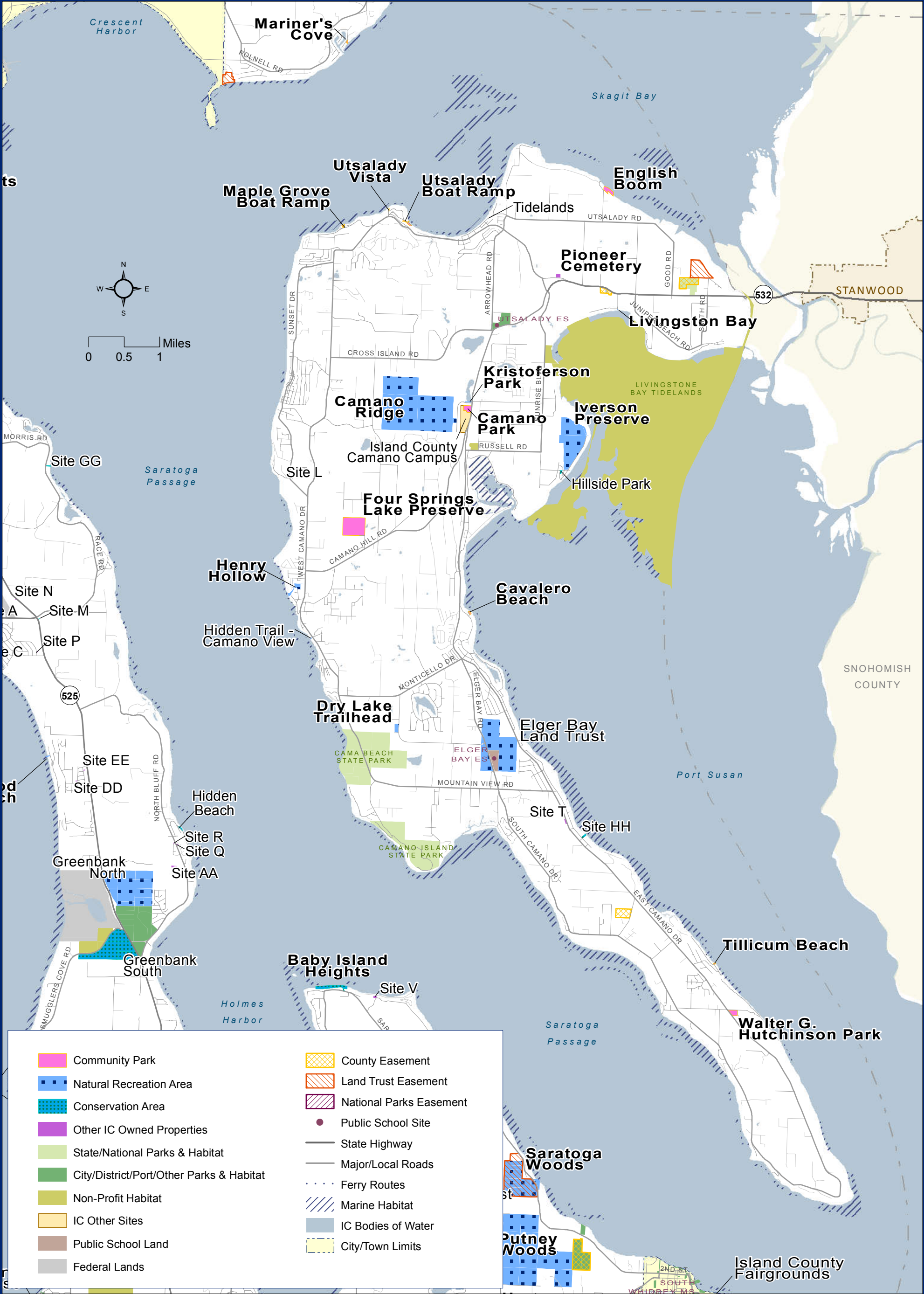


Island County Parks & Recreation Element



11/9/2011 | Data Source: Island County Planning & Community Development, Whidbey Camano Land Trust, USGS & DNR

Map C-3: South Whidbey Classified IC Parks & Habitat Areas

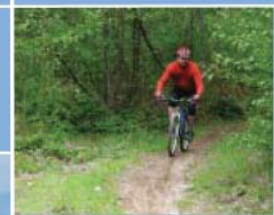


Island County Parks & Recreation Element



11/9/2011 | Data Source: Island County Planning & Community Development, Whidbey Camano Land Trust, USGS & DNR

Map C-4: Camano Island Classified IC Parks & Habitat Areas



Appendix D: Island County Habitat Inventory

ISLAND COUNTY HABITAT INVENTORY

Island County owns and manages an extensive network of land for recreation and habitat conservation. Most County parks and habitat areas protect some amount of natural resources. Also, the County's land holdings are part of a larger natural resource and habitat network that extends across Whidbey and Camano Islands and is supported by many different jurisdictions.

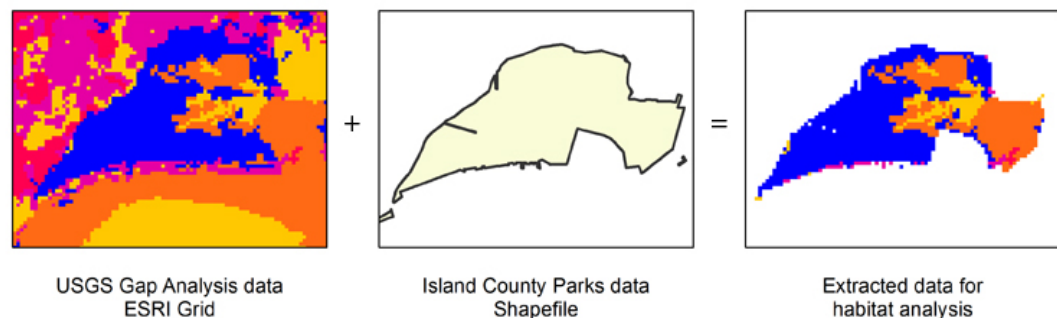
D1. HABITAT CATEGORIZATION METHODOLOGY

To better understand what types of habitat are protected by Island County, the inventory was categorized using United States Geological Survey's Northwest Regional Gap Analysis data.¹

The USGS Northwest Regional Gap Analysis Project uses remote sensing data from satellite and aerial images to identify different land cover and habitat types for the Pacific Northwest. Based on the scale of the images, the smallest area that the Gap Analysis can measure is 0.22 acres. Although the usefulness of this data for smaller parcels is limited, the data can be used to make generalized conclusions regarding the types of habitat protected in Island County.

Gap Analysis data were retrieved in the form of an ESRI grid² file and analyzed using ArcGIS mapping software. A polygon shapefile³ of Island County parks was used as a mask by which to extract habitat type (Figure D-1).

Figure D-1: Habitat Type Analysis Process



¹ <http://gap.uidaho.edu/index.php/gap-home/Northwest-GAP>

² ESRI's grid is a proprietary file format for displaying and analyzing raster GIS data.

³ A shapefile is a non-proprietary file format for the display of vector spatial data.

Although the Gap Analysis Data includes some 128 different categories of habitat, only 27 different types of habitat were identified in Island County. For each County site, the amount of acreage associated with each type of habitat was noted. The Land Trust further reviewed each site's habitat using higher resolution aerial photographs and knowledge of on-site conditions. This analysis helped refine the acreage numbers to their present form.

The habitat types were further grouped into seven categories reflecting broad habitat types found in Island County:

- Water;
- Developed Parkland;
- Farmland;
- Shoreline/Tidal Habitat;
- Forest;
- Freshwater Habitat;
- Prairie & Oak Woodlands

The three subcategories of developed park land are described as follows:

- *Developed open space* includes parks with fields, lawns and semi-wooded areas with trails (like dog parks).
- *Developed low intensity (or medium intensity)* characterizes park land that includes sports fields, turf playfields and grass parking.
- *Developed high intensity* describes park land that supports buildings, parking lots, sport courts, and other impervious surfaces.

Table D-1 presents habitat data for Island County by site.

Insert Table D-1

Table D-1: Habitat Types by County Department

Property Name	Acres		Water	Developed Parkland			Farmland		Shoreline/Tidal Habitat							Forest				Freshwater Habitat					Prairie & Oak Woodlands		
Property Name	# of Acres	Vector Area	1 - Open Water	3 - Developed, Open Space	4 - Developed, Low Intensity	6 - Developed, High Intensity	11 - Pasture/Hay	12 - Cultivated Cropland	9 - Unconsolidated Shore	15 - Temperate Pacific Intertidal Mudflat	25 - North Pacific Montane Massive Bedrock, Cliff and Talus	36 - North Pacific Maritime Coastal Sand Dune and Strand	140 - North Pacific Hypermaritime Shrub and Herbaceous Headland	182 - North Pacific Maritime Eelgrass Bed	192 - Temperate Pacific Tidal Salt and Brackish Marsh	60 - North Pacific Maritime ALL Douglas-fir-Western Hemlock Forest	86 - North Pacific Broadleaf Landslide Forest and Shrubland	160 - North Pacific Lowland Riparian Forest and Shrubland	155-157 - Harvested forest-regeneration	172 - North Pacific Shrub Swamp	179 - North Pacific Intertidal Freshwater Wetland	190 - Temperate Pacific Freshwater Emergent Marsh	North Pacific Bog and Fen	North Pacific Hardwood-Conifer Swamp	North Pacific Herbaceous Bald and Bluff	Willamette Valley Upland Prairie and Savannah	North Pacific Oak Woodland
PARKS DEPARTMENT																											
Ala Spit	16.7	16.90	0.44						1.12	3.80		4.60			3.34	3.60											
Baby Island Heights	9.9	9.56							3.50							6.06											
Camano Park	5.9	6.23			1.73	4.50																					
Camano Ridge	404.8	405.20														404.53		0.67									
Cavalero Beach	0.6	0.67				0.28			0.14							0.25											
Cornet Bay Dock	0.2	0.44				0.40				0.04																	
Crockett Blockhouse	0.0	0.00			0.05																						
Dan Porter Park	9.4	9.56			3.40	0.80										5.36											
Dave Mackie Park	4.9	4.67			2.56	1.00				0.89						0.22											
Double Bluff	2.7	2.67		0.20	0.20	0.30			0.77				1.20														
Driftwood Beach Access	0.7	0.67										0.67															
Dry Lake Trailhead	4.3	4.67														4.67											
English Boom	5.2	5.34										1.44			0.15	3.75											
Etheyl Taylor Property	35.2	34.92														4.20				10.00		15.00	5.72				
Four Springs Lake Preserve	50.1	49.82	0.60	10.00		0.60										32.92		5.70									
Freeland Hall	5.2	4.89		4.79		0.10																					
Hastie Lake Road Boat Ramp	0.1	0.22				0.12			0.10																		
Henry Hollow	7.3	6.89			4.67	0.30			0.22							1.70											
Hurt Property	26.0	25.80														25.80											
Iverson Preserve	115.1	114.76				0.08						7.20			74.57	13.56	6.00		10.23	1.55		1.56					
Kristoferson Property	0.9	0.89														0.19				0.70							
Lagoon Point North	0.3	0.22				0.22																					
Lagoon Point South	0.3	0.22				0.12						0.10															
Ledgewood Beach	0.6	0.67	0.22			0.10			0.22			0.13															
Libbey Beach Park	2.7	2.67		0.68	0.89	0.60			0.50																		
Livingston Bay	0.2	0.22				0.22																					
Maple Grove Boat Ramp	0.8	0.44		0.10		0.34																					
Marguerite Brons Memorial Dog Park	13.7	13.57			1.17											12.40											
Mariner's Cove	0.5	0.22			0.11	0.11																					
Monroe Landing	0.4	0.67				0.20			0.47																		
Moran Beach	0.4	0.44				0.22			0.22																		
Mutiny Bay Boat Ramp	0.1	0.00							0.05																		
Park Shop	8.5	8.01														8.01											
Patmore Pit Dog Park	27.5	27.58			0.88											15.12			11.58								
Pioneer Cemetery	1.9	2.00		2.00																							
Putney Woods	598.8	598.24				0.80										589.44		6.00	2.00								
Rhododendron Park	184.5	183.48			9.70	0.10										173.69											
Saratoga Woods	117.0	116.76		4.80	0.40	0.20										100.25		0.22	3.00	1.22		6.67					
Scenic Heights	0.4	0.22		0.22																							
Scenic Heights Trust Land	36.5	36.70					28.30									8.40											
Swantown Lake	97.7	98.08	35.30					8.00		10.00					32.00					7.78		5.00					
Tillicum Beach	0.2	0.22							0.22																		
Utsalady Boat Ramp	1.5	1.33				0.10			0.10							0.67	0.46										
Utsalady Vista	0.2	0.44		0.22												0.22											
Walter G Hutchinson Park	5.0	4.89		0.13		0.05										4.71											
West Beach Vista	2.0	1.78				0.07			1.20			0.51															
Subtotal	1,807.1	1,803.8	36.6	23.1	25.8	11.9	28.3	8.0	8.8	14.7	0.0	14.7	1.2	0.0	110.1	1,419.7	6.5	12.6	26.8	21.3	0.0	28.2	5.7	0.0	0.0	0.0	0.0

Table D-1: Habitat Types by County Department

[illegible]

Table D-1: Habitat Types by County Department

Property Name	Acres		Water	Developed Parkland			Farmland		Shoreline/Tidal Habitat							Forest				Freshwater Habitat					Prairie & Oak Woodlands		
	# of Acres	Vector Area	1 - Open Water	3 - Developed, Open Space	4 - Developed, Low Intensity	6 - Developed, High Intensity	11 - Pasture/Hay	12 - Cultivated Cropland	9 - Unconsolidated Shore	15 - Temperate Pacific Intertidal Mudflat	25 - North Pacific Montane Massive Bedrock, Cliff and Talus	36 - North Pacific Maritime Coastal Sand Dune and Strand	140 - North Pacific Hypermaritime Shrub and Herbaceous Headland	182 - North Pacific Maritime Eelgrass Bed	192 - Temperate Pacific Tidal Salt and Brackish Marsh	60 - North Pacific Maritime ALL Douglas-fir-Western Hemlock Forest	86 - North Pacific Broadleaf Landslide Forest and Shrubland	160 - North Pacific Lowland Riparian Forest and Shrubland	155-157 - Harvested forest-regeneration	172 - North Pacific Shrub Swamp	179 - North Pacific Intertidal Freshwater Wetland	190 - Temperate Pacific Freshwater Emergent Marsh	North Pacific Bog and Fen	North Pacific Hardwood-Conifer Swamp	North Pacific Herbaceous Bald and Bluff	Willamette Valley Upland Prairie and Savannah	North Pacific Oak Woodland
Property Name																											
Keystone	10.9	10.90			0.22					3.34					7.34												
Monroe Landing Trust Land	45.2	45.15														44.30		0.22				0.63					
Penn Cove	1.6	2.00																								2.00	
Shore Meadow Beach Access	0.1	0.00				0.14																					
Swantown Outfall	0.2	0.22		0.12					0.10																		
Tidelands	0.0	0.00				0.02																					
Site A*	10.7	10.90													10.90												
Site B*	39.8	39.81													38.01			1.80									
Site C*	16.0	16.01	0.80												15.21												
Site D*	25.4	25.80													25.80												
Site E *	38.5	38.25														37.05			1.20							FP	
Site K*	0.1	0.00													0.07												
Site L*	0.0	0.00														0.04											
Site M*	0.0	0.00			0.01																						
Site N*	0.2	0.00														0.15											
Site O*	0.0	0.00					0.03																				
Site P*	0.2	0.22														0.22											
Site Q*	0.2	0.22														0.22											
Site R*	0.2	0.22														0.22											
Site S*	0.0	0.00														0.03											
Site T*	0.9	0.89														0.89											
Site U*	0.4	0.44														0.44											
Site V*	0.6	0.67														0.67											
Site Z	0.3	0.44		0.44																							
Site AA*	1.2	1.33														1.33											
Site BB	0.1	0.00														0.09											
Site DD	0.2	0.00														0.17											
Site EE	0.2	0.22														0.22											
Site FF	0.7	0.44																		0.22		0.22					
Site GG	0.4	0.22							0.02							0.20											
Site HH	0.8	0.89		0.15					0.07							0.67											
Site II	0.5	0.44					0.44																				
Site JJ	6.6	6.45							3.95	2.50																	
Site KK	2.1	2.67							1.56	1.11																	
Site LL	0.2	0.22		0.22																							
Site NN	0.4	0.67		0.67																							
Site OO	2.6	2.67		2.47		0.20																					
Site PP	0.5	0.44				0.44																					
Subtotal	293.1	293.3	2.6	4.1	0.2	1.2	0.5	0.0	5.8	6.9	0.0	0.0	0.0	0.0	99.3	167.2	0.0	2.0	1.2	0.2	0.0	0.9	0.0	0.0	0.0	2.0	0.0
SPECIAL MAINTENANCE AREAS																											
Clover Valley Off-Leash (NW Parks & Rec District)	2.1	2.00			1.25	0.75																					
Freeland Park (Port of South Whidbey)	3.1	2.89			1.09	1.40				0.40																	
Oak Harbor Dog Park (Oak Harbor)	1.2	1.11		1.01		0.10																					
Subtotal	6.3	6.0	0.0	1.0	2.3	2.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCHOOL TRUST LANDS (LEASED)																											
Elger Bay Trust Land	173.5	173.91														149.91		6.00	2.00				16.00				

Table D-1: Habitat Types by County Department

Property Name	Acres		Water	Developed Parkland			Farmland		Shoreline/Tidal Habitat							Forest				Freshwater Habitat					Prairie & Oak Woodlands		
Property Name	# of Acres	Vector Area	1 - Open Water	3 - Developed, Open Space	4 - Developed, Low Intensity	6 - Developed, High Intensity	11 - Pasture/Hay	12 - Cultivated Cropland	9 - Unconsolidated Shore	15 - Temperate Pacific Intertidal Mudflat	25 - North Pacific Montane Massive Bedrock, Cliff and Talus	36 - North Pacific Maritime Coastal Sand Dune and Strand	140 - North Pacific Hypermaritime Shrub and Herbaceous Headland	182 - North Pacific Maritime Eelgrass Bed	192 - Temperate Pacific Tidal Salt and Brackish Marsh	60 - North Pacific Maritime ALL Douglas-fir-Western Hemlock Forest	86 - North Pacific Broadleaf Landslide Forest and Shrubland	160 - North Pacific Lowland Riparian Forest and Shrubland	155-157 - Harvested forest-regeneration	172 - North Pacific Shrub Swamp	179 - North Pacific Intertidal Freshwater Wetland	190 - Temperate Pacific Freshwater Emergent Marsh	North Pacific Bog and Fen	North Pacific Hardwood-Conifer Swamp	North Pacific Herbaceous Bald and Bluff	Willamette Valley Upland Prairie and Savannah	North Pacific Oak Woodland
High Point Trust Land	39.2	39.59														39.37				0.22							
Strawberry Point Trust Land	11.6	11.79														11.12	0.67										
SwantownTrust Land	40.1	40.03														29.23	2.67	3.34				4.80					
Skyline West Trust Land	37.8	37.81														36.92			0.89								
Smuggler's Cove	11.2	11.56							1.90							9.66											
Wahl Road Trust Land	18.4	18.46														18.46											
Subtotal	331.8	333.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	294.7	3.3	9.3	2.9	0.2	0.0	20.8	0.0	0.0	0.0	0.0	0.0
PARKS AND HABITAT TOTAL	3,372.3	3,368.4	156.2	28.4	31.3	15.6	28.8	8.0	16.7	72.1	0.0	14.7	1.2	0.0	395.8	2,437.3	9.8	25.1	33.8	37.1	0.0	49.9	5.7	0.0	0.0	2.0	0.0
OTHER SITES (NON PARKS)																											
Island County Camano Campus	23.6	23.57		3.20		13.07										7.30											
Island County Coupeville Campus	4.9	4.67				4.67																					
Island County District Court	1.5	1.11				1.11																					
Island County Fairgrounds	14.0	14.01			1.00	10.81										2.20											
North Whidbey Family Resource Center	0.9	0.89		0.12		0.77																					
South Whidbey Leased out (Maxwelton Rd)	1.2																										
Subtotal	46.0	44.3	0.0	3.3	1.0	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3,418.4	3,412.7	156.2	31.7	32.3	46.0	28.8	8.0	16.7	72.1	0.0	14.7	1.2	0.0	395.8	2,446.8	9.8	25.1	33.8	37.1	0.0	49.9	5.7	0.0	0.0	2.0	0.0

FP: Site has been identified as a former prairie-oak (grassland) site that is now forested

* Tax Title Property



Appendix E: Habitat Quality Rating Criteria

HABITAT QUALITY RATING CRITERIA

Before acquiring new land for parks and/or habitat conservation areas, Island County should consider the habitat quality of the site. Below are descriptions of each habitat type, along with rating criteria, to rate the habitat's quality as high, medium, or low.

E1. CONIFER FOREST

Conifer forest refers primarily to upland temperate coniferous forest communities with climax associations dominated by Douglas fir, western hemlock, and western red cedar. Due to logging history, many of these forests are presently dominated by deciduous tree species, particularly red alder and bigleaf maple.



High Quality

- Older aged forests (>80 years) with higher proportions of conifers
- Rare species present
- Large scale (over 50 acres)
- Connected to other forests, natural areas, or water bodies
- Few or no invasive species, especially English ivy

Medium Quality

- Younger forests (40-80 years) with mixed conifers and hardwoods
- Moderate scale (25-50 acres)
- Common species
- Near other forests, natural areas, or water bodies
- Manageable levels of invasive species

Low Quality

- Regenerating forests (5-40 years,) mostly hardwoods or brush
- Small scale (< 25 acres)
- Isolated patch
- Dominated by invasive species

E2. GRASSLAND

Grassland includes native prairies and/or non-native meadows. Native prairies were historically dominated by bunchgrasses, particularly Romer's fescue. Flowering perennials are often visually dominant, and include: Indian paintbrush,

fritallaria, iris, lupine, and fawn lily. Non-native meadows include hay fields and pastures that may or may not have once been native prairies.

High Quality

- Native prairie plants comprise 50% of flora
- Endemic or listed species are present (i.e. golden paintbrush)
- > 5 acres
- Connected to or near other prairies
- Limited invasive species, particularly Scott's broom

Medium Quality

- Native prairie remnants
- Endemic or listed species recorded in past
- 1-5 acres
- Near other prairies or good environmental education opportunity
- Manageable invasive species

Low Quality

- No native prairie present
- No record of listed species in past
- 1 acre or smaller patch
- Isolated
- Overrun by invasive species, particularly broom

E3. WETLANDS

Wetlands are emergent fresh or saltwater marsh, willow scrub, forested swamps, peat bogs.

High Quality

- All or mostly native species
- Natural hydrology is intact
- > 5 acres
- Connected to other natural areas, or water bodies
- Few or no invasive species, particularly reed canarygrass and knotweed

Medium Quality

- Some native species
- Hydrology functional
- < 5 acres
- Near other natural areas
- Manageable invasive species

Low Quality

- No or few native species
- Hydrology severely altered
- < 3 acres
- Isolated
- Overrun with invasive species, particularly reed canarygrass or knotweed

E4. FRESHWATER HABITATS

Freshwater habitat includes rivers, creeks, ponds, and lakes.

High Quality

- Salmon bearing natural stream or lake (or other important species)
- High water quality, no or few point source pollutants
- Intact riparian vegetation
- Linked to other aquatic habitats upstream and down
- Few or no invasive aquatic species

Medium Quality

- Historic salmon habitat (or other important species)
- Moderate water quality, few to moderate point sources
- Some intact riparian vegetation
- Linked to downstream aquatic habitats
- Low levels of invasive aquatic species

Low Quality

- Unnatural water body (i.e. reservoir)
- No history of salmon or other important species
- Impaired water quality, multiple point pollution sources
- Damaged or destroyed riparian vegetation
- Not linked to other aquatic habitats
- High levels of invasive aquatic species

E5. SALTWATER (SHORELINE) HABITATS

Saltwater habitat includes shorelines, tidal flats, beaches, bluffs, inlets.

High Quality

- Important wildlife species use (marine mammals, seabirds, fish)
- Unique vegetation communities (i.e. kelp, seagrass, salt marsh)
- Well connected to inland habitats
- Absence of built facilities (docks, riprap, roads)
- Absence of invasive species

Medium Quality

- Past recorded use by important species
- Native vegetation dominates
- Near inland habitats
- Small amount of built facilities
- Manageable number of invasive species

Low Quality

- No recorded use by important species
- Non native vegetation dominates
- Isolated from inland habitats
- Large amount of built facilities
- Large amount of invasive species

E6. OAK WOODLANDS

Oak woodland includes groves and savannas.

High Quality

- Older aged woodlands or trees (>80 years)
- Rare species present
- Over 10 acres
- Connected to other habitats, natural areas, or water bodies
- Few or no invasive species

Medium Quality

- Younger woodlands or trees (40-80 years) with conifers and hardwoods
- < 10 acres
- Common species
- Near other natural areas
- Manageable levels of invasive species

Low Quality

- Regenerating stands (5-40 years,) mostly hardwoods or brush
- < 5 acres)
- Isolated patch
- Dominated by invasive species